

# BEKO

## E1 SERIES COLOUR TELEVISIONS

**Operating Instructions**

# List of contents

<b>Special features .....</b>	<b>2</b>
<b>Safety instructions .....</b>	<b>3</b>
<b>Electrical Connections .....</b>	<b>4</b>
<b>Getting started .....</b>	<b>5</b>
Aerial connection .....	5
Switching on.....	5
Battery fitting .....	5
<b>Control unit .....</b>	<b>6</b>
Front and rear panel .....	6
Remote control.....	6
<b>Using the TV .....</b>	<b>7</b>
TV controls.....	7-8
Tuning the television.....	9
Manual tuning.....	9
Automatic tuning.....	9
Fine tuning.....	9
Childlock.....	10
Program organising.....	10
<b>TV setup .....</b>	<b>11</b>
Picture menu.....	11
Features menu.....	11
Sleep timer.....	11
On timer.....	11
AVL.....	12
Language.....	12
Picture format.....	12
Normalization.....	12
<b>Using teletext .....</b>	<b>13-14</b>
<b>Connecting external equipment .....</b>	<b>14-15</b>
<b>Help and service tips .....</b>	<b>16</b>
<b>Technical specifications table .....</b>	<b>17</b>
<b>Main UK Transmitter Station .....</b>	<b>18</b>
<b>Guarantee .....</b>	<b>19</b>
<b>How to obtain service.....</b>	<b>20</b>

## Television

Thank you for buying this television which is designed to give you many years of satisfactory service.

You may already be familiar with using a television but do please take time to read these instructions. They are designed to familiarise you with the unit's many new features and to ensure you get the very best out of your purchase.

## Special features

- Automatic Programming
- 100 Programme Memory
- Available for Cable Channels (A decoder may be required)
- Manual Fine Tuning
- 16:9 picture format
- Scart Socket
- Normalization system to recall the setting in memory after the colour, contrast, brightness setting have been changed.
- Automatic Volume Limiting.
- Infrared Remote Control.
- Your TV will automatically switch to standby if it's been programmed from 15 to 120 minutes.
- Automatically switch to Standby five minutes after a channel ceases to transmit.
- Multi language menu system. On screen display only not teletext.
- Naming the channels (Automatic with ATS).
- NTSC playback. Via scart.
- S-VHS via Scart.
- ATS: Automatic Tuning System with country selection (\*).
- Audio/Video phono sockets (\*).
- Headphone socket (\*).
- Teletext (\*).
- On Timer (\*).
- Childlock (\*).

(\*) : These features are not available in all models.

## Safety is Important

Your safety and the safety of others is important. Please, therefore, ensure you read the Safety instructions before you operate this television.

# Safety instructions

### ! Read all the safety instructions before first use of your TV.



- Position the television so that direct light does not fall on the screen. Excessive light will cause a washed out effect.



- Position the power supply lead and other leads so that they are not likely to be walked on or pinched by things placed on or against them.



- Do not use the TV in humid or damp conditions. Do not allow the TV to get wet, i.e. dripping or splashing, as this may be dangerous. Do not place water filled objects, such as vases and flowers top on top of the TV.



- Make sure that no naked flame sources, such as lighted candles, are placed on top of the appliance.
- Do not place the television near heat sources such as radiators, ovens, stoves, etc.



- Do not use the television near any apparatus that produces a magnetic field such as HI-FI speakers or electric motors otherwise colour purity may be affected.



- The heat built up in the set escapes through ventilation holes, so do not cover the set by drapes, clothes etc. that may block air circulation. Do not place the television on carpet or soft furnishings.
- NEVER let children push anything into the holes or slots on the case.



- Clean the TV Screen using a slightly damp cloth or chamois leather. Never use abrasive cleaning agents like liquid or aerosol cleaners.
- Remove the mains plug from the socket outlet while cleaning.



- If you wish to place the television on a shelf or in a wall unit always ensure there is a minimum air gap of 8 cm around the top, sides and rear of the television, to assist ventilation.



- Your TV set is designed to operate with mains voltages 230V AC; 50Hz. Do not connect your TV set to power sources other than the mains supply.
- Do not push, hit or screw into the screen or the cabinet.

# ELECTRICAL CONNECTIONS

## 1. SECTION: INSTALLATION AND PRECAUTIONS

### ELECTRICAL CONNECTIONS

For your own safety read the following instructions carefully before attempting to connect this unit to the mains supply.

For your convenience a mains plug with a fuse has been fitted to this appliance. For your safety please observe the following information.

The moulded plug on this appliance incorporates a 5A fuse. Should the fuse need to be replaced an ASTA approved BS 1362 fuse of the same rating must be used. Do not forget to refit the fuse cover. In the event of losing the fuse cover the plug must not be used until a replacement fuse cover which must be the same colour as that visible on the pin face of the plug has been fitted. Fuse covers are available from any good electrical store.

If the fitted moulded plug is not suitable for your socket, then the plug should be cut off and an appropriate plug fitted.

### IMPORTANT! FITTING A DIFFERENT PLUG.

If the mains plug is cut off from the mains cable rewire the replacement plug in accordance with these instructions.

#### IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

**Blue - Neutral**

**Brown - Live**

As the colours in the mains lead may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:

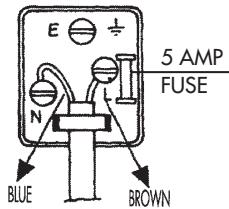
The wire coloured BLUE must be connected to the terminal marked with the letter N or coloured BLACK.

The wire coloured BROWN must be connected to the terminal marked with the letter L or coloured RED.

Do not make any connection to the terminal marked E or  $\frac{1}{2}$  OR COLOURED GREEN, GREEN /YELLOW.

The television receiver must be protected by a 5A fuse if a fused plug is fitted.

For any other plug fit a 5A fuse at the distribution board.



13 A PLUG

**Caution:** - Under no circumstances should the discarded plug be inserted into a mains socket. To prevent shock hazard carefully dispose of the discarded plug into your dustbin, do not leave the plug lying around where children might see it.

# Getting started

Remove your Television carefully from the box. You may wish to store the packaging for future use.

## In the box

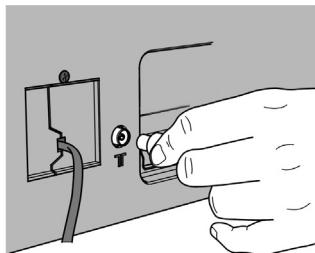
Inside your this package you should have:

- Television
- Remote control
- User guide
- AAA batteries x 2

**Read these instructions before use.**

## Aerial connection

Plug the aerial lead into the aerial socket on the rear of the TV.



You can use an outdoor or indoor aerial. However, if you use an indoor aerial the quality of the reception may be reduced and adjustment of the aerial may be required when changing programs.

### Please note

If you live in a poor reception area or use an indoor aerial you may experience loss or corruption of teletext transmissions.

## Switching on

### Mains power

Connect the TV mains plug into your domestic mains socket outlet (230 V 50 Hz AC) and switch on.

### Please Note

When your TV is not in use disconnect the plug from the mains power supply.



Press the Power button on the front of the TV. The standby indicator will illuminate.



Press the **Program up, Program down** button or Numeric Buttons on the remote handset to switch the TV on.

The standby indicator will dim. The picture will appear after a few seconds.

## Switch to stand-by



Press the Standby button to switch the TV to stand-by. The standby indicator will brighten.

### Please Note

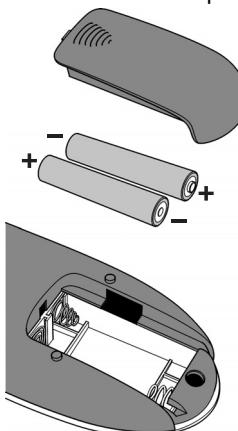
Do not leave the television on stand-by unattended or overnight.

## Switching the TV on for the first time

To install your TV, please read the sections "Tuning the television".

## Battery fitting

Insert the 2 AAA Batteries supplied into the compartment on the rear of the remote control, ensure you follow the polarity diagram inside the compartment.



# Control Unit

## Front and rear panel

14" (37 cm), 15" (38 cm) 20" (51 cm) and 21" (55 cm) TV s:

 -/-/+ Program/Volume increase button

 -/-/VOL/PR Program/Volume selection button:  
This button allows you to select program or volume mode on the front panel.

 -/-/VOL/PR Program/Volume decrease button

20" (51 cm), 21" PF (55 cm) TV s:

 -/-/VOL/PR Volume decrease button

VOL

 -/-/VOL/PR Volume increase button

 -/-/VOL/PR Program decrease button

PR

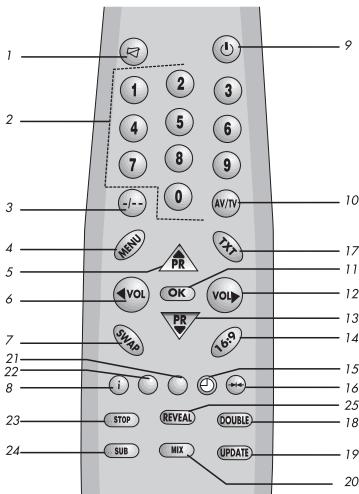
 -/-/VOL/PR Program increase button

### General

 ① Power ON/OFF switch

 Stand by indicator

## Remote control



## Model dependant

### External Connections: (Front or side)

#### Front



Headphone socket

Left audio PHONO  
Mono PHONO (White)



Video PHONO (Yellow)

### External connections: (Rear)



AV1 scart



Aerial socket



Power cable

#### Please note:

The Audio/Video PHONO and Headphone socket can be placed on the front panel or on the right-hand side of the cabinet depending to the model of your TV.

1. MUTE
2. Numeric
3. Two digit program (-/-)
4. MENU
5. Program up
6. Volume decrease
7. Return to selected programme (SWAP)
8. Information (i)
9. STAND-BY
10. AV-TV selection
11. OK
12. Volume increase
13. Program down
14. 16:9 picture format
15. Sleep timer
16. Normalization

#### For Teletext Function (Opt.)

15. Yellow fastext
16. Blue fastext
17. Teletext/TV select
18. Enlarge
19. UPDATE
20. MIX
21. Green fastext
22. Red fastext
23. STOP
24. SUB-PAGE
25. REVEAL

# Using the TV

## TV controls

### Program selection

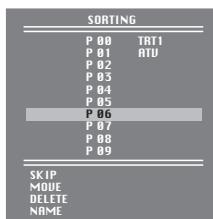


Press the **Program up** or **Program down** buttons on the TV or remote control or press a **Numeric** button to select a programme.

To select a programme whose number is greater than 9 using the numeric buttons, press the **--** button first and then press the two **Numeric** buttons. For example, to select programme 12, press the **--** button followed by **1** and then **2**.

You can also select a program by pressing in the **OK** button (by ATS included models only).

Press the **OK** button and program list will appear on the screen with programme numbers on it.



Use the **Program up** and **Program down** buttons to scroll through the program list. Press the  **MENU** button to exit the program list.

### Volume



Press the **Volume up** or **Volume down** button on the front panel of the TV or press the "**Vol >**" or "**Vol <**" button on the remote control. A sound level bar will appear on the screen.

### Mute



To mute the sound press the **Mute** button on the remote control. A loudspeaker symbol will appear on the screen.



Press the **Mute** button again to restore the sound. The symbol will disappear.

Pressing **Volume down** buttons will decrease the volume without restoring.

But pressing the **Volume up** button will increase the volume and cancel mute.

### Info



By pressing the "**WHITE (i)**" button the programme number and programme name (if it is exist) will appear on the screen. This will disappear automatically after a few seconds.

### AV

For use when you are connecting an external source to your TV (Video recorder, DVD player etc.) via the SCART sockets or PHONO sockets.

See 'Connecting external equipment'.



Press the **AV/TV** button to select your input as follows:

- 1 AV1 when using SCART socket 1.
- 2 AV1 S-VHS for S-Video equipment to scart 1 (S-VHS / Scart adapter is needed).
- 3 AV2 when using the PHONO sockets of the TV. (Optional)



Press the **AV/TV** button again to return to TV.

## Tuning the television

There are two ways of tuning your television:

- Manual, where you control the tuning process or Autoprogram where the television does it all automatically.
- TV sets equipped with ATS (Automatic Tuning System) sorts the channels.

### Please Note

If the TV is set to a channel with no signal the TV will return to standby after 5 minutes. The time remaining is displayed on the screen. For the last 60 seconds.

## Manual Tuning

Tuning the TV is accessed through the SETUP menu.

**To access the SETUP menu:**  
Press the MENU button twice. SETUP Menu will appear.



**a) If you don't know the channel number (Tuning with SEARCH function).**

Enter the **SETUP** Menu by pressing the **MENU** button twice.



In the **SETUP** Menu select **PROGRAM NO** and change to P1 using the **Program down** button to select it and the **Volume up** or **Volume down** button to change it.



Starting with Program P1, tune in the first channel as follows:  
Use the **Program up** button to select **SEARCH**.



Press the **Volume up** or **Volume down** button to start the tuning search.

The search arrow will appear.

When the search finds a channel signal it will stop.

Identify which channel you are watching (BBC 1, ITV 1 etc.) and decide which program number you want it to be. Or press **Volume up** again to carry on searching.



Use the **Program down** button to select **PROGRAM NO**.



Use the **Volume up/down** buttons to select the program number.



Use the **Program down** button to select **STORE**. Press the **OK** button and **STORED** will appear on the **STORE** line.



You have now stored the first channel.



Use the **Program up** button to select again **SEARCH** and continue the tuning procedure until you have tuned in all the programmes you want or the television can receive.

**b) If you know the channel number. (Tuning with channel numbers) See page 18**

Enter the **SETUP** menu by pressing **MENU** button twice.



Press the **OK** button to select "S" for cable channels and "C" for terrestrial broadcast.



Use **Volume up/down** button to select the channel number or enter the channel number using the **Numeric** buttons.



Use the **Program down** button to select **PROGRAM NO**.

 7

Enter the desired program number by using the numeric buttons

 VOL

Use the **Volume up/down** buttons to select the program number.

 VOL

Use the **Program down** button to select STORE. Press the **OK** button and STORED will appear on the STORE line. The channel will be stored with the program number you desired.

 OK

You have now stored the first channel.

 PR

Use the **Program up** button to select again CHANNEL and continue the tuning procedure until you have tuned in all the programmes you want or the television can receive.

 TXT

To exit the SETUP menu press the **TXT** button.

#### Please note

The system will displayed automatically on SYSTEM row.

#### Please note

If you do not press any buttons for 20 seconds the TV will exit the menu system.

## Automatic Tuning (Autoprogram)

Enter the SETUP menu as before.

 PR

Use the **Program down** button to select AUTOPROGRAM and press the **OK** button.

 OK

#### Please Note:

a) TV's equipped with ATS a COUNTRY SELECTION menu will appear.

Select UK using **Program** and **Volume** buttons.

Press the **OK** button to select the country and press the **OK** button again.

b) TV's without ATS pressing the **OK** button twice starts AUTOPROGRAM.



When you are sure the aerial is connected properly press the **OK** button and to confirm it press **OK** button again.



To cancel Autoprogram whilst it is working press the **Menu** button. As Autoprogram stores a channel it will appear briefly on the screen.

**Your TV is now tuned and ready to use.**

#### Please note:

If auto sort fails to arrange the programmes in the required sequence please refer to Program Organising. (Page 10)

## Fine Tuning

Although the search and Autoprogram will automatically try and tune to the best reception, in areas of poor reception a bit of fine tuning may be required.



In the SETUP menu use the **Program down** button to select FINE TUNING. Use the **Volume up** and **Volume down** buttons to fine tune.

When you have finished use the **Program down** button to select STORE and press the **OK** button.

## Child lock

Childlock switches off the programme you are watching when you select it. All other programmes are unaffected. If you go back to the programme with childlock on you will see a black screen with the OSD showing (  ). You can lock as many programs as you want.



In the set up menu press the **Volume up** button to switch the Child lock on or off.

## Program organising

Once you have tuned in all the channels you want, you can change their programme number, if required, and name them.



To enter the **SORTING** menu press the **OK** button.



PROGRAM 01 will be selected and the channel stored under PROGRAM 01 will be showing on the screen.

The details of the program will be shown across the top of the screen i.e. P1 CH31.

The buttons used to edit the programs are shown at the bottom of the display:

- Red button - Skip
- Green button - Move
- Yellow button - Delete
- Blue button - Name

## To name the programmes



Press the **Blue** button, the selected line will turn blue and the CH will be highlighted.

Use the **Program up** and **Program down** buttons to select the letters and numbers and the **Volume up** and **Volume down** buttons to move through the name.



Press the **Blue** button again to store the name.

Repeat this process to name all the programmes.

## Please Note

Some TV channels may send their names with teletext transmission. In this case their names will be automatically shown on the name line.

## To move the programmes

You can move the programmes around the programme list to the order you want

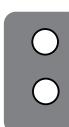


Select the programme you want to move and press the **Green** button. The programme will turn to green.

Select the number you want to move the programme to and press the **Green** button again and the programme will be moved to that number.

All the following programmes are shifted down by one place.

## To delete a programme



To delete a programme, select it and press the **Yellow** button, the programme will be deleted.

All the following programmes are shifted up by one position.

## To skip the programme

Press the **Red** button, the selected line will turn red. Skipped programmes will not appear when you move through the program list using the Program up or Program down buttons.

They can still be selected using the numeric buttons or **OK** of button.

Press the **Red** button again to unskip the programme.

# TV set up

The TV set up is accessed through a menu system.

Once you have stored your set up, this is the set up the TV will default to when you switch it on.

## Please note

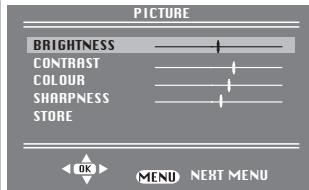
If you do not press any buttons for 20 seconds the TV will exit the menu system.

## There are three menus;

- Picture Menu
- Setup Menu
- Features Menu

## • Picture Menu

To reach the picture menu press MENU button.



The picture menu allows you to set up the following:

BRIGHTNESS  
CONTRAST  
COLOUR  
SHARPNESS

To change, for example, the colour, select it using **Program down** buttons.

Use the **Volume up** and **Volume down** buttons to change the setting.

To save your settings, select STORE and press the **OK** button. STORED will be displayed.

The Volume level will also be stored (even though Volume is not shown in the menu).

### Note:

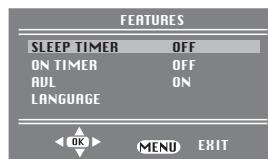
If you play NTSC formatted tape via the scart, the TINT menu will appear to adjust the TINT level.

## • Setup Menu

Setup Menu is explained on the page 8

## • Features Menu

To reach the feature menu press MENU button 3 times.



## a) Sleep Timer

The sleep timer automatically switches the set to stand-by after the preset time has elapsed.

You can select the time from 15 to 120 minutes with 15 minutes steps.

There are two ways to set the sleep timer;

1- Select the SLEEP TIMER in the FEATURES menu. Select the desired time by using **Volume down** or **Volume up** buttons.

2- You can also use the YELLOW (⊕) button on your remote control to select this function. You can increase the switch off time interval by pressing this button repeatedly.

### Notes:

The last 60 seconds of the desired switch off time by counting from 59 down. When this time interval has elapsed the set will switch to STAND-BY.

To view the remaining sleep time, press YELLOW (⊕) button. To cancel the sleep time select OFF in SLEEP TIMER.

## b) On Timer (Model dependant)

Select the on time between 30 minutes to 12 hours by pressing the **Volume up** button press the numeric buttons or AV to select the program to come on. Switch the TV to stand-by to active on timer.

**Note:** You cannot select Off timer and On timer together.

If TV is at Stand-by position, you can switch it on at desired time and programme by activating the ON TIMER feature.

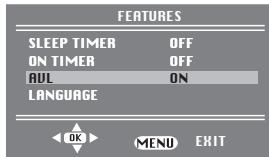
To cancel the on time select off in ON TIMER.

## c) AVL:

TV transmitters have different sound levels. AVL (automatic volume limiting) maintains the same sound level as you switch from program to program.

From the features menu you can select AVL button by pressing **Program down** button.

Press **Volume up or down** button and select AVL On or Off.



When AVL is on a slight delay in sound level may be noticed when changing programs while the TV sound level this is not a fault.

## d) Language

There are many languages available for the On Screen Displays (OSD).



In the features menu select Language by **program down** button.

Press the **OK** button to select the language list.



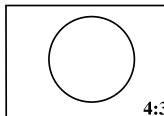
Press the **Program up/down** or **Volume up/down** buttons to page through all the languages and **OK** to select.

## Picture format

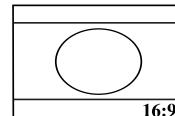
This allows you to select the picture of your TV.

Available formats are 4:3 and 16:9.

You can change the picture format to 16:9 to be able to watch the inputs in 16:9 format, i.e. some broadcasts and DVD's by pressing 16:9 button.



4:3



16:9



Press the **16:9** button to see the chosen format on the lower center of the screen and press the **16:9** button again to change the picture format.

**Note:** A black band can be visible top and bottom on 4x3 and 16:9 formats this is broadcast dependant this is not a fault.

## Normalization

• Press the **BLUE** button on the remote control. To return to the TV default settings (i.e. to cancel and changes you have made but not stored).

# Using Teletext

Teletext is an information system that displays text on your TV screen. Using the teletext control buttons you can view pages of information that are listed in the teletext index (Teletext reception is optional).

## Please Note

No on screen display is available in text mode. The contrast, brightness and colour cannot be changed but the volume control is still available.

## To enter Text mode

### Please Note

Make sure the TV channel you are watching transmits teletext.



Press the **TXT** button. The text page will appear, normally the index page.

## To exit Text mode



Press the **TXT** button. The TV will return to the channel you were watching.

## To select a page of text

0

9

▲

▼

Find the number of the page in the index and enter it using the **Numeric** buttons. The number of the page will appear in the top left hand corner of the screen.

The page counter will search for your page. When it finds it, the page will be displayed.

To move to the next page of text press the **Program up** button.

To move to the previous page press the **Program down** button.

## TV/text mix



To view a page of text whilst watching a TV programme press the **Mix** button. The text will be superimposed over the TV programme.

Press the **Mix** button again to return to the text page.

## Page search whilst watching TV



In Text mode press the **Update** button. The TV will return to TV mode with the text page number in the top left hand corner of the screen.

0  
9  
UPDATE

Enter the page number you want using the **Numeric** buttons. The top line of the text page will appear whilst the text searches for your page. When the page is found the number will remain in the top left hand corner of the screen.

Press the **Update** button to view your selected page of text.

## Double height text



If you have difficulty reading the text on the TV you can double the height of the text.

Press the **Double** button. The top half of the page will be displayed in double height text.

Press the **Double** button again. The bottom half of the page will be displayed in double height text.

Press the **Double** button again to return to the full page.

## Page hold



If the page of text you have selected contains sub pages, these sub pages will automatically be displayed in order with a delay to allow you to read the page.

To stop the move to the next sub page press the **Stop** button. STOP will appear in the top left hand corner.

To continue moving through the sub pages press the **Stop** button again.

## To select a sub page

If the page of text you are viewing contains sub pages, the number of the sub page you are on and the total number of sub pages is displayed on the right of the screen i.e. 1/7.

5

To select a sub page press the **Sub** button. The number in the top left hand corner will be replaced by S followed by 4 asterisks.

UPDATE

Enter the number of the sub page, using the **Numeric** buttons in the format S0001 for sub page 1.

UPDATE

The teletext will search for the sub page. This may take some time. To return to the TV whilst the teletext is searching press the **Update** button.

When the page number is found it will appear in the top left hand corner of the screen.

Press the **Update** button again to view the text page.

## To reveal information

REVEAL

Press the **Reveal** button to reveal concealed information (quiz answers etc.).

REVEAL

Press the **Reveal** button again to conceal the information again.

## Clock

SUB

Press the **Sub** button, whilst watching a TV program, to display the time.

## Fastext

At the bottom of the teletext screen is a row of subject headings in red, green yellow and blue.

The remote control has a row of coloured buttons corresponding to the row of coloured subjects on the screen. Pressing one of the coloured buttons will take you directly to the page corresponding to the subject heading.

# Connecting external equipment

You can connect a wide range of audio and video equipment to your TV.

## Headphones

The headphones must have an impedance of between 8 and 32 ohms and have a 3.5 mm stereo jack plug.

Plug the headphone jack into the headphone socket of the TV.

## Connecting Video Recorder, DVD Player, Decoder.

### 1 Via SCART

Make sure the TV and video recorder are both switched off.

Plug one end of the SCART lead (not supplied) into the back of the video recorder and the other end into the SCART socket on the back of the TV.

Switch on the video recorder and the TV.



Press the **AV/TV** button on the remote control to select AV1.

### Please note:

You can connect a RGB external equipment via Scart 1. It is necessary to use full Scart cable for this purpose.

Select the RGB outputs of the external device by using its menu.

You can also play NTSC scart via.

### 2 S-Video Player

If you have an S-Video player you can connect it to SCART 1 via an adaptor from scart to S-Video/PHONO audio (not supplied).



Press the **AV/TV** button two times to select AV1 S-VHS.

### 3 Via PHONO lead

Make sure the TV and video recorder are both switched off.

Plug one end of the PHONO lead into the video and audio out sockets on the back of the video recorder and plug the other end into the video and audio in sockets of the TV.

#### ④ Via aerial socket (Only for Video Recorder)

Make sure the TV and video recorder are both switched off.

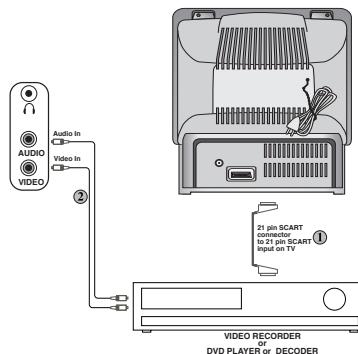
Unplug the aerial lead from the TV and plug it into the aerial socket on the video recorder (if fitted).

Plug a coaxial plug into the RF out socket on the rear of the video recorder and plug the other end into the aerial socket of the TV.

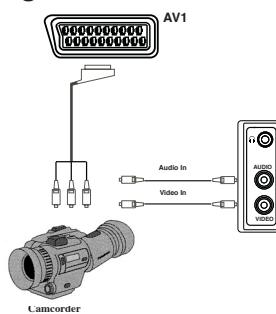
Switch on the video recorder and the TV.

If your video recorder has a test signal, switch it on. (Refer to the video recorder user guide). Or play a pre recorded tape.

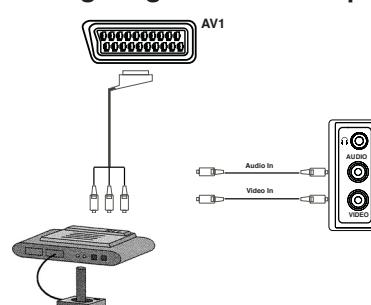
See 'Tuning the TV' and carry out the tuning procedure for the video recorder test signal. Select programme number 0 or between 55 and 99.



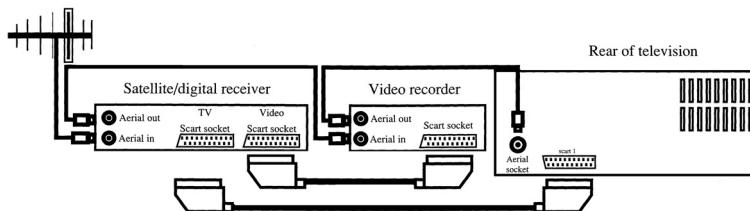
#### Connecting TV with camcorder



#### Connecting TV games and computer



#### Connecting TV with video and satellite/digital receiver



# Help and service tips

## The TV does not work

Make sure it is plugged into the mains supply and switched on.

## Poor picture

- Is the aerial plugged in?
- If you are using a set top aerial is it properly aligned for the best signal.
- Make sure the aerial is not to close to neon lights, loudspeakers etc.
- Try changing the direction aerial. High buildings ETC. can cause ghost pictures or double images.
- The picture quality may be reduced by connecting two external sources at once. Disconnect one of the sources.
- Adjust the fine tuning.

## No picture

- Is the aerial plugged in properly?
- Is the aerial lead damaged?
- Are all the plugs in the aerial lead fitted correctly?
- Have you pressed the correct buttons on the remote control?

## Black bands

- Black bands top and bottom of picture are broadcast dependant.
- Not a fault.

## No sound

- Is the sound muted? Press the Mute button.
- Is the volume turned down?
- Are there headphones connected?

## Sound coming from only one speaker

- Is the balance set to one side? See the sound menu. (Model dependant)
- If you have external speakers, has one of them become disconnected.

## No response to the remote control

- Try changing the batteries.
- Is there an obstruction between the remote control and the sensor on the TV.

## If nothing works

If you have tried the above solutions and none seem to work, try switching the unit off and on again.

If this does not work contact your supplier or TV repair technician. Never attempt to repair a defective TV yourself.

Symptoms	Check if on/off switch is 'on'	Try a different channel, if OK, probably station trouble	Check aerial connections on back of set	Check aerial broken wires	Re orientate aerial	Probably local interference, such as an appliance	Adjust fine tuning control	Adjust brightness control	Adjust contrast control	Check if station is broadcasting colour	Adjust colour control	Check batteries in the remote control handset	Switch the TV set OFF and ON from mains	Move the loudspeakers away from the television	Switch off the television set at the mains and switch on again after 15 minutes
No picture, no sound	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Poor sound, picture OK	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Poor Picture, sound OK	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Weak picture	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Blurred picture	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Double image	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Lines in picture	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Distorted picture	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Weak reception on some channels	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Horizontal bars	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Picture rolls vertically	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Poor colour	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
No colour	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Remote control not working													✓	✓	
TV does not accept any command													✓		
Teletext rolling up/down													✓		
Inappropriate colour, color spots													✓	✓	

# Technical specifications table

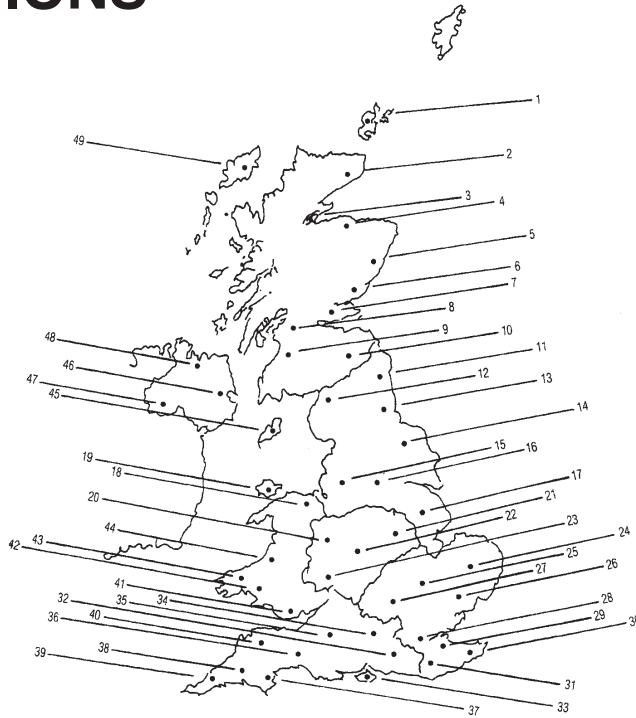
Picture tube size/type	14" 4:3	15" PF	20" 4:3	21" 4:3	21" PF
Screen size	37 cm	38 cm	51 cm	55 cm	55 cm
Visible screen size	34 cm	36 cm	48 cm	51 cm	51 cm
Sound Output (%10 THD)	2 W	2,5 W	2,5 W	2,5 W	2,5 W
Power consumption	30 W	45 W	45 W	45 W	45 W
Stand by Power consumption	4 W	4 W	4 W	4 W	4 W

## General technical specifications

### Power Supply

AC:.....	230-240V 50Hz
Number of preset programmes.....	100
RF Aerial input.....	75 ohm (unbalanced)
Speaker impedance.....	8 ohm
Audio output .....	Mono
Batteries.....	2xAAA
Receiving channels.....	VHF (Band I Channels 2-4) .....VHF (Band III Channels 5-12) .....UHF (Channels 21-69) .....Cable TV (S1-S20/S21-S41)
Receiving broadcast system.....	PAL I

# MAIN UK TRANSMITTER STATIONS



UHF CHANNELS						STATIONS CT D						BBC1 BBC2 ITV CH4 CH5 Map					
Regional Main Stations	BBC1	BBC2	ITV	CH4	CH5	Map	Blundell Hill	Crystal Palace	Dover	Heathfield	Oxford	BBC1	BBC2	ITV	CH4	CH5	Map
<b>North West</b>							40	46	43	65	30	29	28	28	28	28	28
Coldbeck	30	34	28	32	56	12	26	33	23	50	30	37	30	30	30	30	30
Winter Hill	55	62	59	65	48	15	50	56	66	53	67	31	31	31	31	31	31
Douglas (LOM)	68	66	48	56	56	45	49	52	64	67	67	27	27	27	27	27	27
<b>North</b>							57	63	60	53	49	27	27	27	27	27	27
Belmont	22	28	25	32	56	17	31	27	24	21	39	25	25	25	25	25	25
Emley Moor	44	51	47	41	37	16	51	44	41	47	35	32	32	32	32	32	32
<b>North East</b>							62	55	59	65	52	24	24	24	24	24	24
Bilston West Moor	33	26	29	23	35	14	57	63	60	53	37	6	6	6	6	6	6
Chatton	39	45	49	42	42	11	40	46	43	50	37	8	8	8	8	8	8
Pontop Pike	58	64	61	54	56/68	13	31	27	24	21	48	7	7	7	7	7	7
<b>Midlands (West)</b>							33	26	23	29	35	9	9	9	9	9	9
Ridge Hill	22	28	25	32	35	23	22	28	25	32	67	5	5	5	5	5	5
Sutton Coldfield	46	40	43	50	37	22	33	26	23	29	49	49	49	49	49	49	49
The Wrekin	26	33	23	29	25	20	40	26	23	29	1	1	1	1	1	1	1
<b>Midlands (East)</b>							33	26	23	29	4	4	4	4	4	4	4
Wollaton	58	64	61	54	35	21	33	26	23	29	3	3	3	3	3	3	3
<b>South West</b>							39	45	49	42	42	2	2	2	2	2	2
Bacon Hill	57	63	60	53	37	37	31	27	24	21	56	44	44	44	44	44	44
Caron Hill	22	28	25	32	38	38	55	62	59	65	52	42	42	42	42	42	42
Hunthorpe Cross	55	58	59	65	67	40	57	63	60	53	39	19	19	19	19	19	19
Redruth	51	44	41	47	37	39	52	45	49	42	42	18	18	18	18	18	18
Stockland Hill	33	26	23	29	36	36	46	40	43	50	37	43	43	43	43	43	43
<b>Channel Islands</b>							44	51	41	47	41	41	41	41	41	41	41
Fremont Point	51	44	41	47			22	28	25	32	37	47	47	47	47	47	47
<b>West</b>							31	27	24	21	31	46	46	46	46	46	46
Mendip	58	64	61	54	37	35	57	63	60	53	37	42	42	42	42	42	42
South							57	63	60	53	37	42	42	42	42	42	42
Hannington	39	45	42	66	35	34	52	45	49	42	42	18	18	18	18	18	18
Midhurst	61	55	58	68	32	33	46	40	43	50	37	43	43	43	43	43	43
Rowbridge	31	24	27	21			44	51	41	47	41	41	41	41	41	41	41
<b>N. IRELAND</b>							22	28	25	32	37	47	47	47	47	47	47
Brougher Mountain							31	27	24	21	31	46	46	46	46	46	46
Divis							55	62	59	65	52	46	46	46	46	46	46
Limavady																	



## **Guarantee - Television**

Your new television is guaranteed against the cost of breakdown repairs for twelve months from the date of the original purchase. (\* see note below for small screen sets)

### **What is covered?**

- All repairs necessary as a result of faulty materials, defective components or manufacturing defect.
- The cost of all functional replacement parts, excluding remote control batteries
- The labour costs of a Beko approved repairer to carry out the repair.
- (\*) For TV's with screen sizes of 21 inches or less (measured diagonally corner to corner) you may be offered a replacement instead of repair under guarantee. Your dealer will advise you.

### **What is not covered?**

- Transit or delivery damage
- Accidental damage
- Misuse, or abuse.
- Cabinet or appearance parts, including knobs and flaps
- Remote control batteries.
- Repairs or replacements required as a result of unauthorised repairs or inexpert installation that fails to meet the requirements contained in the user instruction book.
- Repairs or replacements to product installed or used on commercial or non-household premises.

### **Important notes.**

- The product is guaranteed for domestic household use only.
- The guarantee will be void if the product is installed or used in commercial or non-household premises.
- The product must be correctly installed and operated in accordance with the instructions contained within the Operating Instructions Booklet provided with the product
- The guarantee is given only within the boundaries of the United Kingdom and the Republic of Ireland.
- The guarantee is not transferable if the product is resold.
- Beko Plc disclaims any liability for incidental or consequential damages.
- The guarantee does not in anyway diminish your statutory or legal rights.



## HOW TO OBTAIN SERVICE

Congratulations on your choice of a Beko colour television. Your new television has been designed and manufactured to the highest quality standards to give you many years of use. To get the best out of it, please take a few moments to read the instruction book.

Your television is supplied with a full 12 months guarantee, covering parts and labour. Should you require service under guarantee, simply call the number below (\*\*\*see note for small screen sets)

**0870 241 0128**

Our service receptionist will ask you for your product model number, your retailer's name, and the date of purchase when you call. It will assist you if you complete the box at the bottom of this page when you take delivery of your television so that the information is readily available should you need it. If it is necessary for an engineer to visit your home he will normally be there within 48hrs of receipt of your call (excluding Bank Holidays) or at your earliest convenience.

Before telephoning for service please check the trouble shooting guide in the instruction book as often minor problems are easily identified and resolved by following the instructions contained therein. Service visits where there is no fault with the product could incur a charge even though the product is under guarantee.

Service is also available on the above number after the guarantee period has expired. The cost of any repairs outside of the guarantee period is payable to the engineer at the time of visit .

Please complete the box below for ease of reference later.

Model Number	Serial Number
Date of Purchase	Place of Purchase
<b>Please keep your purchase receipt. The engineer will need to see it should you require service under the 12-month Guarantee.</b>	

**\*\*\* Special Note:**

In home repair service is not available on models with a screen size of 21" or under. You should contact your retailer for advice and assistance on these models.

BEKO plc, Beko House, Caxton Way, Watford, Hertfordshire, WD18 8UF  
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E-Mail: [service@beko.co.uk](mailto:service@beko.co.uk) [www.beko.co.uk](http://www.beko.co.uk)